



Department of Pesticide Regulation's

# AGRICULTURAL PEST CONTROL ADVISORY COMMITTEE

Meeting Minutes: Monday, April 8, 2009  
9:30 a.m. – 11:40 p.m.

Location: 1001 I Street  
Training Rooms East/West, 1st floor  
Sacramento, California 95812

Members Present: (10) Scott Hudson- County Agricultural Commissioner Association, Mary Louise Flint-UCIPM, Linda LaVanne- Agricultural Pest Control Advisers, Matt Scally- Maintenance Gardener Pest Control Business, Wayne Steele-Registrants, Ronald Berg- Pest Control Dealers, Ken Nichols- Pest Control Businesses, Tim Stone – Commercial applicators, Kenneth Oneto- FAC section 56115 Producers, and Jim Farrar-California State University System,

Department Staff: (8) David Duncan- Chair of Committee (Ch), Margie Read, Mac Takeda, Rayven Jenkins, Mike Ensminger, Nino Yanqa, Matt Fossen, and Bob Elliot.

Guests: (7) Joyce Basan-CAPCA, Terry Stark-CAPCA, Dave Lawson-Lawson & Associate, Michael Black -Public, Terry Gage –CAAA, Nasser Dean- WPHA, and Judy Letterman - PAPA.

Members Absent: (2) Jean La Duc- General Public), and Richard Stoltz- Pest Control Aircraft Pilots.

Member Vacancies: \_Board of Governors of the California Community College system

## AGENDA

### 9:30-9:35 Introduction of members and others in attendance and review of agenda

David Duncan, DPR

David explained the emergency procedure for leaving the building in case the fire alarms are activated.

### 9:35-9:40 Review and approval of November 24, 2008 meeting minutes

Committee

Ken Oneto was not listed as a member, but as a guest. He is the producer representative on the committee.

Renee Pinel's name was misspelled. The correct spelling is Pinel.

The minutes, as written, were satisfactory. It was determined that if any of the committee members had additional changes and comments regarding the minutes to address them to David Duncan.

### 9:40-10:00 DPR Licensing updates – license renewals recap, microbial pest control subcategory, fumigation subcategory

Mac Takeda, David Duncan, DPR

Although the business and individual license renewal packets were mailed out in September with a notice stating the return time-line to facilitate the license being renewed by December 31, the greater portion of the renewals were received in December.

Mac presented a Statistical Comparison report of trade and business licenses issued in 2004 and 2008. The comparisons show a decrease in Maintenance Gardener Business licenses, while all other business types show a total license increase.

Field fumigation study guide can be downloaded from our website. It is not available currently from UC as a hard copy. 133 QALs and 76 QACs qualified to be grandfathered into category O - Field fumigation.

In late 2008 a need was found to certify individuals for SO<sub>2</sub> gas use to sanitize wine barrels and corks for wineries. The SO<sub>2</sub> used for sanitizing wine barrels and corks in wineries is a restricted use pesticide thus requires the applicator to be certified. A special exam was given in Napa, where 56 QACs and 5 QALs were certified. DPR is currently writing a contract Bid package to develop a microbial study guide.

The scope of the new subcategory will include sanitizing potable water lines in construction, cooling towers, evaporative condensers and sanitization of wine barrels and corks etc.

## 10:00-10:30 Urban pesticide use and water quality monitoring study

Mike Ensminger, DPR,

In 2008, DPR initiated an urban pesticide-monitoring project. Mike Ensminger, of the Environmental Monitoring Branch, gave an informative power point presentation regarding the Urban pesticide use and water quality monitoring study.

The questions to be answered by the study included:

- What pesticides are present in urban surface waters?
- What effect does the type of water body have on detections (storm drain or urban creek)?
- What is the effect of season (dry flow vs rain event)?
- How do the concentrations compare to their water quality objectives or aquatic toxicity benchmarks?

DPR is looking at tools for growers and PCAs to use. The project focused on dry-weather & wet-weather sampling in four urban areas: Sacramento, S.F. Bay Area, Orange Co. & San Diego Co.

### Pesticide Selection

- Since DPR can't check all of the chemical usage, 64 different pesticides were targeted.
- Historical pesticide use.
- Toxicity to aquatic organisms.
- Pesticides reported in DPR's Pesticide Use Report database - landscape maintenance uses..

### Preliminary Results

- Carbaryl, malathion, and fipronil were the most frequent insecticide detections. More carbaryl and malathion were detected in Southern CA than in Northern CA and more were detected during rain events than in the dry flow.
- Fipronil or fipronil degradates were detected more frequently than malathion or carbaryl.. Found in almost every site.
- Pyrethroids were detected in sediment and water.
- Numerous herbicide detections. Auxins type herbicides-broadleaf weed killers – were the most frequently detected herbicides.

### Summary

- 2008 DPR initiated an urban pesticide-monitoring project in four main regions in CA.
- Water samples were analyzed for 64 different pesticides or pesticide degradates from 25 different urban water sources.
- Some aspect of the study will be repeated next fiscal year. Follow-up testing with fipronil will be included due to the high level of detections.

Q and A

Q-What is the next step, and how is data used?

A. It may take 6 months to publish the findings. We will look at the data to determine where more sampling needs to be taken. Follow up studies will be done.

Q- NPDES permits. Have you tried to correlate with cities?

A. Not at this time

## 10:30-10:45 (BREAK TBA)

## 10:45-11:00 PRIA grant – VOC emissions calculator

Matt Fossen, DPR

US Environmental Protection Agency Pesticide Registration Improvement Renewal Act Partnership Grant of \$160,000 was awarded to DPR. This project is designed to reduce pesticide-related air and surface water pollution by promoting VOC emission reduction practices in peach, almond, and walnut orchards in San Joaquin, Stanislaus, and Merced counties. Outreach and training efforts will be aimed at pest control advisors and growers, with a potential for cost-sharing incentives.

In that vein, Matt Fossen, the Principal Investigator, has developed an easy way to calculate VOC emissions with the VOC emissions calculator.

There is no timeline for launch of the VOC emissions calculator. The project is of high priority but other pesticide products needs to be factored into the emission calculator. Hopefully it will be available this calendar year.

The VOC emission calculator is currently under development to be placed on our website. The calculator allows individuals to calculate and compare VOC emissions for non-fumigant agricultural use pesticide products. The sequence of steps in calculating VOC emissions is:

- Step 1: Select a crop,
- Step 2: Select a product
- Step 3: Enter the application rate and rate unit (gallons/ acre, pounds/acre, etc.),
- Step 4: Enter the number of acres and number of applications,
- Step 5: Calculate emissions

**Results:**

The information is updated as received. The users provide the crop, product, application rate, and number of acres and number of application performed.

**11:00-11:17 Alliance Grants for 2009**

Bob Elliott, DPR

A total of \$400,000 is available for Pest Management Alliance grants to increase the implementation of reduced risk pest management strategies and to demonstrate effective integrated pest management (IPM).

Initial funding for Alliance Grants was available in 1998. Alliance Grant projects were funded for five years until funding was cut in FY 2002/03 due to a state budget shortage. Funding was restored in 2007.

**Team approach**

- Involve PCAs and growers in study.
- Outreach intensive
- Support IMP implementation.

**Priority**

- VOC emission reduction
- Human health concern
- Pesticide reduction in water/air.

**Projects**

- Grapes, almonds, canning peaches, delta waterways, Urban ant project, Urban child care project

**Grapes**

- Developed IPM self-assessment model
- Field demonstration of IPM practices to support implementation
- Outreach training

**Almond:**

- Field demonstration of IPM practices to support implementation
- Aimed at growers and PCAs
- Promotes UC year-round IPM program
- Target sensing sprayers- smart sprayers
- Reduced-risk pesticide product

**Canning peach project**

- Reduce organophosphate use –soil water air contamination
- Outreach training
- Reduce risk alternatives
- UC year-round IPM program
- Target sensing sprayers- smart sprayers

**Delta water quality project**

- Reduce non-point source pesticide runoff into the delta
- Reduce use of organophosphates
- Promote UC year-round IPM program
- Develop IPM self-assessment handbook for grape, walnut, tomato and alfalfa growers
- Outreach training

### **Urban ant project**

- Reduced UC year-round IPM program pesticides by 50%
- Ant bait as an alternative (expensive)
- Low risk practices for ants
- Working with pest professionals to evaluate pinpoint application and quarterly instead of monthly treatments
- Economic assessment of ant baits

### **Urban childcare project**

- Applies to requirements of the healthy schools act.
- Conducting pest management needs survey
- Over 11,000 licensed providers
- IPM "toolkit"
- Information to administrators and staff

Grant proposals are due tomorrow, April 9, 2009, for next round of grants.

### **11:17-11:25 New web-based pesticide illness database query demonstration**

Nino Yanga, DPR

Nino demonstrated the new web-based pesticide illness database query. Anyone with web access can navigate the database query. The demonstration was just released to the public one month ago. The demonstration pesticide illness database query was just released to the public one month ago. The demonstration query will remain on line for three-months. You may click databases, or look up pesticide illnesses. First time and regular users should read the introductions before proceeding. Cases go back to 1997. The cases in the database are only cases that WHS scientists, specifically Pesticide Illness Surveillance Program (or PISP) scientists, have classified as being possibly, probably or definitely related to a pesticide exposure. Each criterion has a hyperlink that provides more information on the criterion as well as definitions.

Click on:

1: Search tips

2: Selection reminder: Enter the start year and the end year. As you build the query the list will get longer.

Information will show up on bottom of the page.

- User will be able to run query at any point
- Click on variables list if you need information on variables
- Choose year
- Chose County
- Choose pesticide criteria, incident settings, and activity
- Option to create reports grouped in summary activities with multiple counties

Comments and suggestions will go to Nino Yanga.

### **11:25-11:30 Regulation update subcategory Q, Maintenance Gardener and continuing education requirements for subcategories M, N, P**

David Duncan

The regulation update and CE requirements for subcategory Q, M, N, and P will be noticed in 2009. CE hours for these subcategories are proposed as 8 hours every two years.

### **11:30-11:50 UC IPM update**

Joyce Strand, Mary Lou Flint, UC Davis IPM

The hard copy of the Fumigation study guide will be available through UC IPM by the end of June. Same content is on DPR website

The sub-category Q-maintenance Gardener study guide is in-press. The English version should be at the printers next week and be printed in May. The Spanish version should be available sometime this summer. There will be workshops in San Luis Obispo followed by testing for the maintenance gardener sub-category.

A maintenance gardener video and Radio spot outreach announcement has been developed and produced by the San Luis Obispo CAC. Santa Barbara County, as well as other counties have shown interest in the radio spot. DPR is planning to put together presentation tools, and creation of a presentation material workbook for those attending the workshops.

**Upcoming**

UC IPM will be revising the study material for the wood preservation, forest, and right of way pest control categories. Contact Mary Louise Flint with any input, ideas, and other contributions you can make.

Susan Cohen is no longer with UCIPM

San Luis Obispo County Commissioner's office must go out to bid to hire presenters for the workshop program. Must have maintenance gardener study guides available from UCIPM before we go out to bid.

**11:50-11:55      Next agenda and meeting date**

July 15, 2009 - Wednesday

Time: 9:30 am - 12:30pm

Place: 1001 I street

Training room 1 East and West (First Floor)

Sacramento, California

Public comment on any agenda item is welcome.

Questions about this agenda should be directed to David Duncan at (916) 445-3870 or [dduncan@cdpr.ca.gov](mailto:dduncan@cdpr.ca.gov)